TEAMTEC Incinerator model OG200C

With its sturdy and compact design and high performance the **OG200C** is one of our most popular models and an *obvious first choice* for solving the waste treatment onboard medium-sized vessels.

**COMPACT DESIGN**

The TEAMTEC high capacity incinerator models have one of the world’s *smallest footprints and overall size*. The incinerators can easily be installed in a corner.

Our incinerators are made from high quality marine components only.

**AUTOMATIC CONTROL**

TEAMTEC incinerators are all controlled by a state-of-the-art PLC ensuring a *simple and reliable operation, maximum capacity utilisation and minimum fuel consumption*.

*Minimum attendance* is needed during operation and remote supervision is possible.

**LOW OPERATION COSTS**

Our unique high temperature cyclone burning principle ensures that all the incinerators in TEAMTEC product range can incinerate sludge oil (waste oil) with water content up to 50% without using support fuel, leaving our incinerators as one of the most *economical* incinerators on the market.

TEAMTEC incinerators have *no strainers or filters* in the sludge oil system and this in addition to several other advantages keeps the maintenance costs to an absolute minimum.

**MODULAR CONSTRUCTION**

All our incinerators are of a *modular construction* and can, if required, be delivered as a flat-packed unit for assembling onboard the vessel/installation – no parts are bigger than a normal ship door. No welding is needed.

This construction also eases and benefits the life-time maintenance works.

**OG200CS with a sluice for continuous feeding of solid waste.**

*Capacity: 400,000 kcal/h (465 kW)*
**TECHNICAL DATA – OG200C model:**

<table>
<thead>
<tr>
<th>version</th>
<th>C</th>
<th>CS</th>
<th>CW</th>
<th>CSW</th>
<th>CI*</th>
<th>CIS*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calorific capacity:</td>
<td>400 000 kcal/h 465 kW</td>
<td>400 000 kcal/h 465 kW</td>
<td>400 000 kcal/h 465 kW</td>
<td>400 000 kcal/h 465 kW</td>
<td>542 000 kcal/h 630 kW</td>
<td>542 000 kcal/h 630 kW</td>
</tr>
<tr>
<td>Sludge oil capacity **:</td>
<td>53 l/h</td>
<td>53 l/h</td>
<td>N/A</td>
<td>N/A</td>
<td>70 l/h</td>
<td>70 l/h</td>
</tr>
<tr>
<td>Bilge water capacity:</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>127 l/h</td>
<td>127 l/h</td>
</tr>
<tr>
<td>Solid waste capacity:</td>
<td>400 l/load</td>
<td>55 kg/h</td>
<td>400 l/load</td>
<td>55 kg/h</td>
<td>400 l/load</td>
<td>55 kg/h</td>
</tr>
<tr>
<td>Feeding slice:</td>
<td>-</td>
<td>Yes</td>
<td>-</td>
<td>Yes</td>
<td>-</td>
<td>Yes</td>
</tr>
<tr>
<td>Self cleaning nozzle:</td>
<td>Yes</td>
<td>Yes</td>
<td>N/A</td>
<td>N/A</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Total weight:</td>
<td>3 020 kg</td>
<td>3 210 kg</td>
<td>2 970 kg</td>
<td>3 170 kg</td>
<td>3 030 kg</td>
<td>3 220 kg</td>
</tr>
<tr>
<td>Dimensions (L x W x H mm):</td>
<td>1350x1900x1960</td>
<td>1697x1900x1960</td>
<td>1350x1900x1960</td>
<td>1697x1900x1960</td>
<td>1350x1900x1960</td>
<td>1697x1900x1960</td>
</tr>
<tr>
<td>Footprint (L x W mm):</td>
<td>1000x1000</td>
<td>1000x1000</td>
<td>1000x1000</td>
<td>1000x1000</td>
<td>1000x1000</td>
<td>1000x1000</td>
</tr>
<tr>
<td>Fuel oil consumption:</td>
<td>7 kg/day</td>
<td>7 kg/day</td>
<td>20 kg/h</td>
<td>20 kg/h</td>
<td>7 kg/day</td>
<td>7 kg/day</td>
</tr>
<tr>
<td>Rated el. power (440V):</td>
<td>15 kW</td>
<td>15 kW</td>
<td>12 kW</td>
<td>12 kW</td>
<td>15 kW</td>
<td>15 kW</td>
</tr>
</tbody>
</table>

*With TEAMTEC water injection system. **IMO-defined sludge oil, 20% water content.

**ALL VERSIONS:**

- Temperature in combustion chamber: 850 - 1 200 °C
- Surface temperature: max. 15 °C above ambient temp.
- Flue gas temperature: 350 °C (optional 200°С)
- Flue gas back pressure: max. 150 mm W.C.
- Negative pressure in combustion chamber: from 10 to 35 mm W.C.

All versions (except CW and CSW) burn simultaneously sludge oil and solid waste.

TEAMTEC incinerators are designed and certified in compliance with the IMO resolution MEPC 244(66) (prev. 76 (40)) and IMO MARPOL ANNEX VI.

MED certified and type approved by all major classification societies, incl. US Coast Guard.

**OPTIONS:**

- Skid/base mounted units
- Containerized units
- Remote control panel / slave panel
- Sludge oil and diesel oil tanks
- Diesel oil transfer and booster pumps
- Sludge tank level indicator in operator display
- Heat tracing control for the sludge circulation line
- Frequency controlled flue gas fan
- Flue gas stack components
- Solutions for ambient temp. above 55°C
- Project versions

**BILGE WATER INJECTION:**

As an option the incinerator can be equipped with TEAMTEC bilge water injection system to reduce the load on the Oily Water Separator by utilizing the heat from the sludge oil combustion. No additional diesel oil consumption.

With PLC controlled injection of the water you achieve:

- Safe disposal of contaminated water
- Increased sludge capacity (ref. table)
- Reduced NOx emission***

Bilge Water injection is approved by major classification societies. Quick and simple upgrading of existing TEAMTEC incinerators is available.

*** verified by DNV